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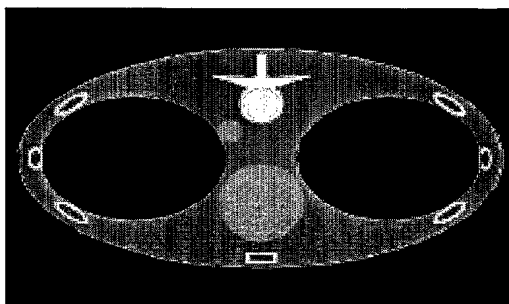
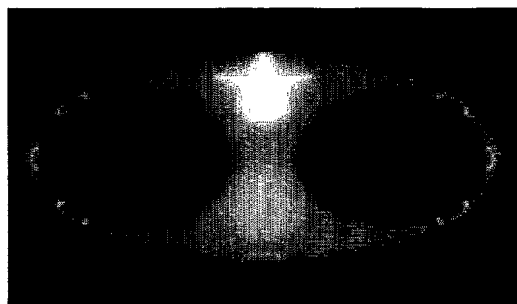
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(54) Title: ITERATIVE DATA RECONSTRUCTION



(57) Abstract: Iterative algorithms which may be used for image reconstruction, consisting of alternating projections and backprojections usually have a slow convergence, due to correlations between simultaneously processed data and consequently a low image quality. According to the present invention, a filtering step is introduced before backprojection, allowing a parallel processing without the loss of convergence speed or image quality. Advantageously, this may allow to perform several projections/backprojections simultaneously.

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